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NOTICE OF ALLOWANCE AND FEE(S) DUE

25944 7590 01/15/2004 OLIFF & BERRIDGE, PLC P.O. BOX 19928 ALEXANDRIA, VA 22320				EXAMINER SPECTOR, DAVID N		
				DATE MAILED: 01/15/200	4 13	
APPLICATION NO.	FILING DATE	FIRST NAME	D INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/987,953	11/16/2001	Yoshitaka Itoh		039504.99	. 7957	
TITLE OF INVENTION: PROJECTOR	POLARIZATION CONVE	RSION ELEMENT, POLARIZ	ZATION ILLUMINATOR, I	DISPLAY USING THE SAM	IÉ ILLUMINATOR, AND	
APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATÉ DUE	
<u> </u>						
nonprovisional	NO	\$1330	\$0	\$1330	04/15/2004	

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u>

(703) 746-4000

INSTRUCTIONS: This for appropriate. All further co- indicated unless corrected maintenance fee notification	below or directed otherwise	smitting the ISSUI Patent, advance ord in Block 1, by (a)	E FEE and PUBLIC ders and notification specifying a new c	CATION FEE (if re of maintenance fee orrespondence addr	equired). Blocks 1 through 4 ses will be mailed to the current ess; and/or (b) indicating a sep	should be completed where t correspondence address as earate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block I)			Note: A certificate of mailing can only be used for domestic mailings of the Fce(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must				
	7590 01/15/2004			have its own certifi	cate of mailing or transmission.		
OLIFF & BERR	IDGE, PLC			I haraby cartify the	Certificate of Mailing or Tran	smission	
P.O. BOX 19928	VA 22220			States Postal Servi	at this Fce(s) Transmittal is being ce with sufficient postage for find Mail Stop ISSUE FEE address	rst class mail in an envelope	
ALEXANDRIA, V	V A 22320			addressed to the I	Mail Stop ISSUE FEE address JSPTO, on the date indicated be	s above, or being facsimile low.	
•						(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE	F	FIRST NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/987,953	11/16/2001		Yoshitaka Itoh		039504.99	7957	
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nonprovisional	NO	\$1330	•	\$0	\$1330	04/15/2004	
EXA	MINER	ART UNI	т с	LASS-SUBCLASS			
SPECTOR	R, DAVID N	2873		359-618000			
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). □ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. □ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
PLEASE NOTE: Unles been previously submitt (A) NAME OF ASSIGN	ed to the USP1O or is being s NEE	low, no assignee da submitted under sep (B	ata will appear on the parate cover. Comple) RESIDENCE: (CIT	e patent. Inclusion of tion of this form is I 'Y and STATE OR	, _	signment.	
	te assignee category or catego	<u>.</u>	• "		corporation or other private g	group entity government	
4a. The following fee(s) are	e enclosed:		. Payment of Fee(s):				
☐ Issue Fee			A check in the an	` ,			
·			•	it card. Form PTO-2038 is attached. hereby authorized by charge the required fee(s), or credit any overpayment, to			
- Advance Order - # Of	- Copies		Deposit Account Nu	imber	(enclose an extra	copy of this form).	
Director for Patents is requ	ested to apply the Issue Fee a	nd Publication Fee	(if any) or to re-appl	y any previously pa	id issue fee to the application id	entified above.	
(Authorized Signature)		(Date)			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
NOTE; The Issue Fee ar other than the applicant; interest as shown by the r	nd Publication Fee (if require a registered attorney or ago ecords of the United States Pa	ed) will not be accent; or the assigned atent and Trademark	cepted from anyone e or other party in k Office.	1			
application. Confidentialicationated to take 12 min completed application for case. Any comments on suggestions for reducing Patent and Trademark 22313-1450. DO NOT	tation is required by 37 CFR by the public which is to fit y is governed by 35 U.S.C. I utes to complete, including grim to the USPTO. Time will a the amount of time you this burden, should be sent Office, U.S. Department SEND FEES OR COMPLE r for Patents, Alexandria, Virginia and the sent of	athering, preparing, ll vary depending require to complet to the Chief Inform of Commerce, A TED FORMS TO	4. This collection is, and submitting the upon the individual to this form and/or pation Officer U.S.	1	· .		

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OLIFF & BERRIDGE, PLC P.O. BOX 19928 ALEXANDRIA, VA 22320		SPECTOR, DAVID N		
			ART UNIT	PAPER NUMBER
•			2873	-
			DATE MAILED: 01/15/2004	1

Determination of Patent Term Extension or Adjustment under 35 U.S.C. 154 (b)

A reissue patent is for "the unexpired part of the term of the original patent." See 35 U.S.C. 251. Accordingly, the above-identified reissue application is not eligible for Patent Term Extension or Adjustment under 35 U.S.C. 154(b).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

7550				M
4	Application No.	Apı	plicant(s)	
Notice of Allowability	09/987,953	ІТО	H ET AL.	
Notice of Allowability	Examiner	Art	Unit	
	David N. Spector	287	' 3	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSE or other appropriate co IGHTS. This application and MPEP 1308.	ED in this applicate mmunication will to the contract of the	ion. If not include be mailed in due	ed course. THIS
2. The allowed claim(s) is/are 1-45.				
 3. The drawings filed on <u>09 December 2002</u> are accepted by 4. Acknowledgment is made of a claim for foreign priority und a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	der 35 U.S.C. § 119(a)-(d) or (f).		
		nation No. 00/020	000	
 Certified copies of the priority documents have Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received:				ion from the
Acknowledgment is made of a claim for domestic priority u	nder 35 U.S.C. & 119(e)	(to a provisional	application)	
(a) The translation of the foreign language provisional a		•	аррисанопу.	
6. Acknowledgment is made of a claim for domestic priority u				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of 7. A SUBSTITUTE OATH OR DECLARATION must be submin INFORMAL PATENT APPLICATION (PTO-152) which gives reas	this application. THIS inited. Note the attached	T HREE-MONT H I I EXAMINER'S AI	PERIOD IS NOT MENDMENT or N	EXTENDABLE.
8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No				
(b) including changes required by the proposed drawing correction filed, which has been approved by the Examiner.				
(c) including changes required by the attached Examiner	's Amendment / Comme	ent or in the Office	e action of Paper	No
Identifying indicia such as the application number (see 37 CFR 1 of each sheet. The drawings should be filed as a separate paper	.84(c)) should be written with a transmittal letter a	on the drawings ir addressed to the O	n the top margin (r Official Draftsperso	ot the back) n.
9. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT FOR T	sit of BIOLOGICAL M HE DEPOSIT OF BIOL	IATERIAL must OGICAL MATERI	be submitted. N AL.	lote the
Attachment(s)				
 1 Notice of References Cited (PTO-892) 3 Notice of Draftperson's Patent Drawing Review (PTO-948) 5 Information Disclosure Statements (PTO-1449), Paper No 7 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	4□ Inte 6□ Exa	ce of Informal Pat rview Summary (F miner's Amendme miner's Statemen er	PTO-413), Paper ent/Comment	No



REASONS FOR ALLOWANCE

- 1. Claims 1-45 are allowed in light of applicant's arguments/amendments. A statement of the examiner's reasons for allowance follows.
- 2. Applicant's independent claims are directed to a polarizing conversion device (claim 1) with particular features for controlling unwanted stray light, a polarizing illumination device that includes the instant polarizing conversion device (claim 8); a display apparatus (claim 18) that includes the polarizing illumination device and a modulating device; a projector (claim 19) that includes the polarizing illumination device, at least one modulating device, and a projection optical system; the method embodied in the instant polarizing conversion device (claim 22); and to an alternative representation of the instant polarization conversion device in a means-plus-function format (claim 27). Each of these independent claims includes, and is distinguished over the prior art by. the extant features/limitations of the polarizing conversion device in claim 1. It includes: a polarizing separation element having a light-incident side, a light-emitting side, and a polarizing separation plane that separates said P-state and S-state polarized beams by transmitting one of said P-state and S-state polarized beams there-through toward the light-emitting side of the polarizing separation element, and reflecting another of the Pstate and S-state polarized beams. A reflecting plane is disposed substantially parallel to said polarizing separation plane reflects said another of the P-state and S-state polarized beams reflected by said polarizing separation plane toward said light-emitting side of the polarization element. In particular, a selective phase plate aligns a polarization direction of one of said P-state and S-state polarized beams separated by the aforementioned polarizing separation element with a polarization direction of another of the



Art Unit: 2873

P-state and S-state polarized beams, and a light-shielding element which prevents light from directly entering the reflecting plane interposed at the light incident side of said polarizing separation element. The prior art taken either singly or in combination fails to anticipate or fairly suggest the limitations of applicant's independent claims, in such a manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The claimed invention is therefore considered to be in condition for allowance as being novel and nonobvious over prior art.

- 3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David N. Spector whose telephone number is (703) 305-1521. The examiner can normally be reached at this number Monday through Friday between 6:00 AM and 2:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Y. Epps, can be reached on (703) 308-4883. The fax number for the organization where this application is assigned is (703) 308-7722.

January 7, 2003

David N. Spector Patent Examiner Hung Xuan Dang